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| Application/C ntr I No. | Applicant(s)/Patent ( | ind r |
|-------------------------|-----------------------|-------|
| 10/660,384              | ECHELARD ET AL.       |       |
| Examiner                | Art Unit              |       |
| Joseph T. Woitach       | 1632                  |       |

| , | Reject d | I | (Thr ug<br>Can |
|---|----------|---|----------------|
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| Cla  | im_      | Date   |          |          |          |  |            |              |          | <u> </u>       | Claim Date |     |         |          |          |          |          |          |          |          | Cl       | mie      | L_  |               |            |              | Date         | <u> </u>  |          |          |          |          |          |   |
|--|----------|--|----------|----------|----------|--|------------|--------------|----------|----------------|------------|-----|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|---------------|------------|--------------|--------------|-----------|----------|----------|----------|----------|----------|---|
| Final  | Original |  |          |          |          |  |            |              |          |                | i          |     | Orginal | 8/20/08  | 100      |          |          |          |          |          |          |          |     | Final         | Original   | 8/20/08      | 5/5/2        | •         |          |          |          |          |          |   |
|  | 1        |  | Н        | _        |          |  | Т          | 1            | T        | Н              |            | 1   | 1       | $\vdash$ | ř        |          |          |          |          |          |          | П        |     |               | 101        | +            | V            |           |          |          | $\dashv$ | 十        | ┪        | _ |
|  | 2        |  |          | П        |          | Г  | Г          | Т            |          | П              |            |     | 2       |          | Г        |          |          | П        |          |          |          |          |     |               | 102        | F            | Ť            |           |          |          | $\neg$   | 十        | ヿ        | _ |
|  | 3        |  |          |          | Г        | Π  | П          | П            |          | П              |            | 1   | 3       |          | П        |          |          |          |          |          |          |          |     |               | 103        | Т            | П            | )         |          |          | $\Box$   | ヿ        | ヿ        | _ |
|  | 4        |  |          |          |          |  |            |              |          |                |            |     | 4       |          |          |          |          |          |          |          |          |          |     |               | 104        |              | V            |           |          |          | T        | ヿ        | ╗        |   |
|  | 5        |  |          |          |          |  |            |              |          |                |            |     | 5       |          |          |          |          |          |          |          |          |          |     |               | 105        | $\prod$      | A            |           |          |          |          | T        | ヿ        | _ |
|  | 6        |  |          |          |          |  |            |              |          |                |            |     | 6       |          |          |          |          |          |          |          |          |          |     |               | 106        | $\Pi$        |              |           |          |          |          | I        | I        |   |
|  | 7        |  |          |          |          |  |            | <u> </u>     |          | Ш              |            |     | 7       |          |          |          |          |          |          |          |          |          | ĺ   |               | 107        |              |              |           |          |          |          | $\Box$   | $\Box$   |   |
|  | 8        | L  | Ш        |          |          |  |            |              | L        | Ц              |            |     | 8       |          |          |          |          |          |          |          |          |          |     |               | 108        | $\mathbb{L}$ | Ň            |           |          |          |          | $\Box$   |          |   |
| <u> </u>   | 9        |  | Ц        |          |          | _  | L          | L            | ╙        | Ш              |            |     | 9       |          | Щ        |          | L        | Ш        |          |          |          | Ш        |     |               | 109        |              | 4            |           |          |          |          |          | _        |   |
|  | 10       | L  | Ц        |          | _        | _  | ᆫ          | L            | L        | Ц              |            |     | 0       |          | L        |          | L        | Ш        |          | Ш        | Ш        |          |     |               | 110        | L            | М            |           |          |          |          | $\perp$  |          | _ |
| <u> </u>   | 11       | L_   | Ш        |          |          | <u> </u>   | _          | _            | L        | Ц              | <u> </u>   | 15  | -       |          |          |          | Щ        | Ш        |          |          | Щ        |          |     |               | 111        | Ш            | ĽJ           | 4         |          |          | _        | $\dashv$ | _        |   |
| <u> </u>   | 12       | <del> </del>                                     | Ш        | Щ        | L        | <u> </u>   | <b>_</b> _ | ⊢            | <u> </u> | Ш              | <u> </u>   |     | 2       | L_       | <b> </b> | Щ.       | $\vdash$ | Щ        | Ц        | Щ        | 니        | 1        |     | <u> </u>      | 112        | <b> </b> _   | ЬJ           | $\angle$  | Ц        | Ш        | _        | 4        | 4        |   |
| <u> </u>   | 13       | Н-   | щ        | Щ        | <u> </u> | -  | <u> </u>   | ⊢            | ⊢        | Н              |            |     | 3       | <u> </u> | Ш        | Щ        | $\vdash$ | <b> </b> | Щ        | -        | Н        | $\dashv$ |     | <u> </u>      | 113        | 1            | 14           | $\dashv$  | _        | $\Box$   | 4        | 4        | 4        |   |
| <b> </b>   | 14       | <del> </del>                                     | H        | Н        | $\vdash$ | ├-   |            | 1—           | ⊢        | Н              | -          |     | 4       | <b>—</b> | H        | $\vdash$ | $\vdash$ | $\vdash$ |          |          | Ш        | $\dashv$ |     | <del> </del>  | 114        | <b>H</b> —   | μ4           | 4         |          | _        | 4        | $\dashv$ | 4        | _ |
| ├─   | 16       | $\vdash$   | $\vdash$ | Н        | -        | ┼  | ├-         | ⊢            | -        | Н              | $\vdash$   |     | 5       | _        | -        | $\vdash$ | $\vdash$ | Н        |          |          | $\vdash$ | $\dashv$ |     | ⊢⊢            | 115        | ╀            | u            | щ         | -        | $\dashv$ | -        | $\dashv$ | 4        |   |
| <del> </del>                                     | 17       | -  | $\vdash$ | Н        | ⊢        |  | $\vdash$   | ⊢            | $\vdash$ | Н              | <u> </u>   |     | 6<br>7  | $\vdash$ | $\vdash$ | H        | $\vdash$ | Н        | $\vdash$ | Н        | Н        | $\dashv$ |     | }             | 116<br>117 | ╫            | 4            | 1         | $\dashv$ | -        | $\dashv$ | 十        | -        | _ |
| <del></del>                                      | 18       | ┢  | -        |          | _        | ⊢  | ┢          | -            | -        | Н              |            |     | 8       | ┝        | ├        |          | H        | $\vdash$ | _        | -        | -        | $\dashv$ | 1   | }—            | 118        | +            | Н            |           | $\vdash$ | $\dashv$ | -        | +        | -+       |   |
| ├  | 19       | ┢  | Н        | $\vdash$ |          | ⊢  | $\vdash$   | ┢            | -        | Н              | ⊢          |     | 9       | _        | ┢        |          | ┝╌       | Н        | _        | -        | -        | $\dashv$ | ı   |               | 119        | H            | Н            | -         | -        | $\dashv$ | $\dashv$ | $\dashv$ | ⇥        | _ |
| <del></del>                                      | 20       | ┢  | Н        |          | -        | ╁╌   | ┢          | ┪            | ⊢        | Н              | <u> </u>   |     | ŏ       |          | Н        | Н        | $\vdash$ |          |          |          |          | $\dashv$ | ı   |               | 120        | +            | Н            | Н         |          | $\dashv$ | ᅥ        | $\dashv$ | ┪        |   |
| $\vdash$   | 21       | ┢  | Н        |          | $\vdash$ | H  | ⊢          | t            | -        | Н              | <u> </u>   |     | ĭ       |          | $\vdash$ | Н        | -        | $\neg$   |          | _        |          | $\vdash$ |     |               | 121        | +            | Н            | -         |          |          | ┪        | $\dashv$ | ┪        | _ |
|  | 22       | $\vdash$   |          |          | $\vdash$ | T  | ╁          | $\vdash$     | $\vdash$ | Н              |            |     | 2       | _        |          | Н        | -        | Н        |          |          | _        | $\dashv$ |     |               | 122        | +            | Н            |           |          |          | $\dashv$ | $\dashv$ | 寸        | _ |
|  | 23       |  |          | _        |          | Т  | <u> </u>   | ⇈            | Н        | Н              |            |     | 3       | $\vdash$ |          | $\vdash$ |          | Н        |          |          |          | $\Box$   |     |               | 123        | 1            | Н            |           |          |          | 寸        | 十        | ┪        | _ |
|  | 24       |  |          |          |          |  | Г          | 1            |          | П              |            | 7   | 4       |          |          |          |          |          |          |          |          | $\sqcap$ |     |               | 124        | $\sqcap$     | Ш            |           |          |          |          | 寸        | ヿ        | _ |
|  | 25       |  |          |          |          |  | Π          |              |          |                |            | 7   | 5       |          |          |          |          |          |          |          |          |          | - 1 |               | 125        | П            | П            |           |          | П        | ┪        | T        | ヿ        | _ |
|  | 26       |  |          |          |          |  |            |              |          |                |            | 7   | 6       |          |          |          |          |          |          |          |          |          | -[  |               | 126        |              |              |           |          |          | $\Box$   | I        | $\Box$   |   |
|  | 27       |  |          |          |          |  |            |              |          |                |            |     | 7       |          |          |          |          |          |          |          |          |          |     |               | 127        | $\Box$       |              |           |          |          |          | $\Box$   | $\Box$   |   |
|  | 28       |  |          |          |          | L  |            |              |          |                |            |     | 8       |          |          |          |          |          |          |          |          |          |     |               | 128        | $\perp$      |              | N         |          |          | $\Box$   | $\Box$   | $\Box$   |   |
|  | 29       | L  | Ц        |          |          | _  | _          | L            | 匚        | Ц              | L.         |     | 9       |          | L_       | Щ        |          |          |          |          |          | Ш        |     | Ш             | 129        | 1            | Щ            |           |          |          |          | ╛        | _        |   |
| <u> </u>   | 30       | L  | Ш        |          |          | L  | 上          | _            | _        | Ш              | <u> </u>   |     | Ö       |          | Ш        |          |          |          |          | $\Box$   |          | Ш        | ١   | Щ             | 130        | •            | $\mathbf{Y}$ |           |          |          |          | 4        | _        |   |
|  | 31       | ╙  | Н        | _        | ╙        | <u> </u>   | <u> </u>   | ╙            | <u> </u> | Щ              | _          |     | 1       | Ь.       | Щ        |          | _        |          | _        |          |          | Щ        | J   |               | 131        |              | Ц            |           |          | _        | _        | 4        | 4        | _ |
| <u> </u>   | 32       | <u> </u>   | Н        |          | <u> </u> | ╙  | <u> </u>   | <u> </u>     | ᆫ        | Ц              | $\vdash$   |     | 2       | L        | Ŀ        | Щ        |          | $\Box$   |          | _        | Н        | Щ        | ı   |               | 132        | _            | Н            | _         | _        |          | 4        | 4        | _        |   |
|  | 33       | ⊢  | Н        | Щ        | <u> </u> | <u> </u>   | <u> </u>   | ⊢            | ⊢        | Щ              | -          |     | 3       | _        | Н        | Ш        | $\vdash$ | $\vdash$ | _        | Н        |          | -        |     |               | 133        |              | Н            | 4         | _        | $\Box$   | _        | $\dashv$ | 4        |   |
| <del> </del>                                     | 34<br>35 | ⊢  | Н        | _        | <u> </u> | <del> </del>                                     | 1          | ├            | ⊢        | Н              | $\vdash$   | 15  | 4 5     | -        | <b> </b> | $\vdash$ |          | Н        | _        | _        | Н        | $\dashv$ |     |               | 134<br>135 | $\vdash$     | Н            | -         | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | _ |
|  | 36       | H  | Н        | _        | $\vdash$ | $\vdash$   | ├          | -            | ⊢        | $\vdash\vdash$ | $\vdash$   |     | 6       | ├        | $\vdash$ | H        | ├        | Н        |          | _        | H        | $\dashv$ |     |               | 135        | $\vdash$     | Н            | $\dashv$  | $\dashv$ | -        | $\dashv$ | $\dashv$ | -        |   |
| <del></del>                                      | 37       | H  | Н        | _        | <u> </u> | ₩  | ⊢          | $\vdash$     | $\vdash$ | Н              | -          |     | 7       | -        | ┝╌       | Н        | $\vdash$ | Н        | $\vdash$ | -        | Н        | H        | ł   | <del></del>   | 137        | ├            | $\vdash$     | $\dashv$  |          |          | -        | $\dashv$ | $\dashv$ |   |
| <del> </del>                                     | 38       |  | Н        | =        | ├        |  | ├          | <del> </del> | $\vdash$ | Н              | $\vdash$   |     | 8       | $\vdash$ | $\vdash$ | Н        | $\vdash$ | Н        | $\dashv$ | $\vdash$ | Н        | H        | ı   | _             | 138        | $\vdash$     | Н            | $\dashv$  | -        | -        |          | $\dashv$ | $\dashv$ | _ |
|  | 39       | H  | Н        | -        | ├        | $\vdash$   | ┢          | ┢            | $\vdash$ | Н              | -          | +;  | 9       | -        | $\vdash$ | Н        | $\vdash$ | Н        | $\dashv$ | $\vdash$ | Н        | $\dashv$ | 1   |               | 139        | -            | $\vdash$     | $\dashv$  | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | _ |
| <del>                                     </del> | 40       | $\vdash$   | Н        | -        | -        | $\vdash$   | -          | H            | -        | Н              | -          |     | ŏ       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н        | -        |          | Н        | $\dashv$ | - [ | }             | 140        | -            | Н            | Н         | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | _ |
|  | 41       | <del>                                     </del> | Н        | -        | $\vdash$ | $\vdash$   | $\vdash$   | ╁            | $\vdash$ | Н              | $\vdash$   | + 8 | 1       | $\vdash$ | $\vdash$ | H        | $\vdash$ | Н        | $\dashv$ | -        | Н        | $\dashv$ | - 1 | 1             | 141        | -            | Н            | $\dashv$  | $\dashv$ | $\dashv$ | -        | +        | $\dashv$ | _ |
| $\vdash$   | 42       | 1  | $\vdash$ |          | $\vdash$ | <del>                                     </del> | $\vdash$   | $\vdash$     | $\vdash$ | Н              | $\vdash$   |     | 2       | +        | V        | Ч        | -        | Н        | $\dashv$ | Н        | Н        | $\dashv$ | - 1 | $\vdash$      | 142        | $\vdash$     | Н            | Н         | -        | -        | -        | $\dashv$ | ┰        |   |
|  | 43       |  | $\vdash$ |          | Т        |  | Т          |              | Ι        | H              |            |     | 3       | 1        | Ť        | Н        | П        | Н        | -        | Н        | Н        | $\dashv$ | ł   |               | 143        |              | H            | $\exists$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | _ |
| $\overline{}$                                    | 44       |  | Н        |          |          | _  | $\vdash$   | $\vdash$     |          | Н              | <u> </u>   |     | 4       | Т        | H        | Н        | $\vdash$ | Н        | $\dashv$ | Н        | Н        | Н        | ł   |               | 144        |              | Н            | $\neg$    | $\vdash$ |          | 7        | $\dashv$ | 寸        | _ |
|  | 45       | Г  | Н        |          |          | _  | Г          | Г            |          | Н              |            | 13  | 5       |          | $\sqcap$ | М        |          | $\vdash$ | ٦        | Н        | H        | $\dashv$ | ì   | М             | 145        | _            | М            | $\neg$    | $\neg$   | $\neg$   | ┪        | 十        | 寸        | _ |
|  | 46       |  |          |          |          |  |            |              |          | $\Box$         |            |     | 6       | 1        | $\Box$   |          |          |          | П        |          | Н        | П        | Ì   |               | 146        |              | П            |           | $\neg$   | $\neg$   | 寸        |          | ヿ        | _ |
|  | 47       |  |          |          |          |  |            | П            |          | П              |            | 3   | 7       | 7        | Ш        | П        |          |          |          |          | Н        | $\dashv$ | ì   | $\overline{}$ | 147        |              | П            |           | $\neg$   |          | T        | 十        | 寸        | _ |
|  | 48       |  |          |          |          |  |            |              |          |                |            |     | 8       |          | П        |          |          |          |          |          |          | $\neg$   | Ì   |               | 148        |              |              |           | $\Box$   |          | 丁        |          | 寸        | _ |
|  | 49       |  |          |          |          |  |            |              |          |                |            | 8   | 9       | 7        |          |          |          |          | $\neg$   |          |          | $\neg$   | 1   |               | 149        |              |              |           |          |          |          | $\top$   | ヿ        | _ |
|  | 50       |  |          |          |          |  |            |              |          |                |            | 11  | 00      | 7        | 7        |          |          |          |          |          |          |          | 1   |               | 150        |              |              |           |          | $\neg$   | П        | $\neg$   | $\neg$   |   |